

ABSTRACT OF THE DISCLOSURE

A digital watermark embedding apparatus comprises
below units. A first generation unit generates a
plurality of symbol sequences each of which includes a
5 plurality of symbols including ranks, each of the ranks
being uniquely numbered among each of the symbol
sequences, each of the symbol sequences uniquely
corresponding to each of a plurality of identification
information items to be embedded as digital watermark
10 information into each of copies of digital contents. A
second generation generates a plurality of to-be-
embedded codes corresponding to each of the symbols in
each of the symbol sequences. An embedding unit embeds
the to-be-embedded codes in each of the copies.